

**Oak Ridge Institute for Science and Education
Request for Proposal
DE-RP05-00OR22750**

STATEMENT OF WORK

**Greg Mills
Chairperson, Source Evaluation Board**

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Statement of Work - Major Activities (Section J, Attachment A)

- **Fellowship and Research Participation Programs**

Provide research and training opportunities at DOE facilities for high school, undergraduate, graduate, postdoctoral, and faculty participants in the sciences, mathematics, engineering, or other mission-related fields as required by DOE.

- **Special Training Programs**

Manage, develop, and conduct special training programs in areas such as health physics, safeguards and security, occupational safety, radiological control, and industrial hygiene, and provide on-site assessment of DOE contractor training and qualification programs. Manage the DOE Training and Resources Data Exchange to provide a mechanism for DOE and DOE contractors to share job knowledge, training materials, and performance standards.



Statement of Work - Major Activities (Section J, Attachment A) (Continued)

- **Studies and Analyses**

Manage and conduct independent studies and analyses in areas such as energy-related workforce requirements; analyze corresponding educational needs and curricula; and evaluate the effectiveness of DOE's science education programs. Make available experts in safety, health, and quality assurance disciplines to conduct independent study and analysis assignments.

- **Peer and Merit Reviews**

Coordinate peer and merit reviews of DOE research proposals

- **Radiation Emergency Assistance Center/Training Site (REAC/TS)**

Provide around-the-clock radiation emergency medical assistance capabilities and offer technical training courses in the medical management of radiation accidents while operating from a specially designed facility with specialized equipment.



Statement of Work - Major Activities (Section J, Attachment A) (Continued)

- **National Security Programs**

Develop and manage the DOE Emergency Response Training and Readiness Program, an integrated program involving ORISE, other DOE facilities, and other Federal agencies, to enhance and maintain DOE's readiness to threats posed by terrorist incidents involving the use of weapons of mass destruction.

- **Radiation Internal Dose Information Center (RIDIC)**

Develop and apply methods for calculating internal doses from intake of radioactive materials from accidents, terrorist incidents, or routine medical, occupational, and environmental exposure. Continue the development and enhancement of MIRDose, a computer software tool for calculation of radiation doses.



Statement of Work, Major Activities (Section J, Attachment A) (Continued)

- **Center for Epidemiologic Research (CER)**
Conduct of occupational epidemiologic studies of current and former DOE and DOE contractor employees. Manage DOE's National Beryllium Worker Medical Surveillance Program and the Former Radiation Workers Medical Monitoring Program. Maintain the Cytogenetic Laboratory in conducting beryllium sensitivity tests, and serve as a designated DOE data Center for sensitive medical and epidemiologic surveillance records.
- **Professional Training Programs (PTP)**
Conduct of hands-on laboratory-based training in the areas of health physics, medical health physics, environmental monitoring, and radiological sciences in support of decommissioning.



Statement of Work - Major Activities (Section J, Attachment A) (Continued)

- **Center for Human Reliability Studies (CHRS)**
Assist in the development of policy analysis, program development, operational implementation, and follow-up program support and evaluation to assist in the development of medical standards and psychological evaluations for DOE Human Reliability Programs.
- **Emergency Management Laboratory(EML)**
Develop and analyze management strategies, management systems, and training to prepare DOE and DOE contractor employees to act quickly in emergency situations.
- **Environmental Survey and Site Assessment Program (ESSAP)**
Serves as a DOE Primary Independent Verification contractor for evaluation of radiological, environmental, and safety conditions at DOE and other sites. Serves as the national repository for radioactive survey samples for the DOE Formerly Utilized Site Remedial Action Program, as well as the archive for samples from cleanup verification.



Statement of Work - Major Activities (Section J, Attachment A) (Continued)

- **Cooperative Research Programs**

Manage and coordinate cooperative research programs jointly funded by DOE and universities or industry to provide opportunities for university faculty, students, and industrial researchers to conduct research at and with DOE and other scientific facilities.

- **Participation of Historically Black Colleges and Universities (HBCUs)/Minority Education Institutions (MEIs)**

Provide research opportunities through subcontracts, academic appointments, and research participation agreements.

- **Optimization of relationships with educational, research, and business/industrial communities to advance the nation's scientific, technical, research, and education capabilities.**



Statement of Work - Customers

- **Department of Energy Headquarters Offices**

Major Sponsors:

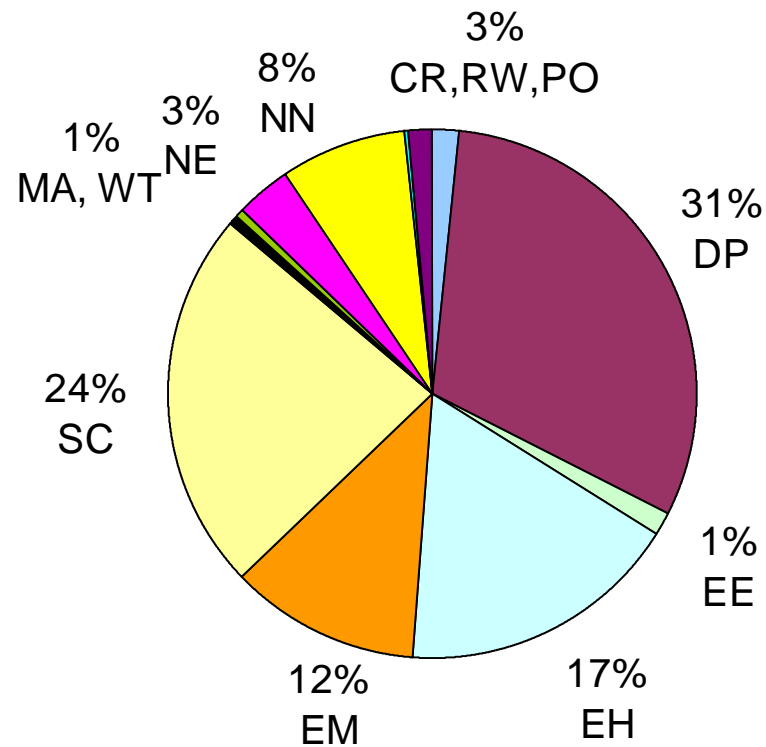
- **Science**
- **Defense Programs**
- **Environment, Safety, and Health**

Other Sponsors:

- **Chief Financial Officer**
- **Civilian Radioactive Waste Management**
- **Security and Emergency Operations**
- **Energy Efficiency and Renewable Energy**
- **Environmental Management**
- **Fossil Energy**
- **Management and Administration**
- **Nuclear Energy, Science and Technology**
- **Non-proliferation and National Security**
- **Policy**
- **Worker and Community Transition**



FY 1999 DOE FUNDING SOURCES



Chief Financial Officer (CR) - \$583,000

Defense Programs (DP) - \$11,280,000

Energy Efficiency and Renewable Energy (EE) - \$479,000

Environment, Safety and Health (EH) - \$6,333,000

Environmental Management (EM) - \$4,276,000

Science (SC) - \$8,523,000

Fossil Energy (FE) - \$60,000

Management & Administration (MA) - \$106,000

Worker and Community Transition (WT) - \$204,000

Nuclear Energy (NE) - \$1,227,000

Nonproliferation and National Security (NN) - \$2,881,000

Policy (PO) - \$90,000

Civilian Radioactive Waste Management (RW) - \$479,000

Total \$36,521,000

Capital Equipment and Projects Funding \$1,434,000



Statement of Work - Customers (Continued)

- **Department of Energy Operations, Field, and Area Offices**
 - Oak Ridge
 - Savannah River
 - Albuquerque
 - Idaho
 - Rocky Flats
 - Richland
- **Other DOE Contractors**
 - Lockheed Martin Energy Research
 - Lockheed Martin Energy Systems
 - Bechtel Jacobs
 - Others



Statement of Work - Customers (Continued)

- **Other Federal agencies and nonfederal entities**
 - **Department of Defense**
 - **Department of Health and Human Services**
 - **Environmental Protection Agency**
 - **Department of Commerce**
 - **Department of State**
 - **Federal Bureau of Investigation**
 - **Nuclear Regulatory Commission**
 - **Various non-federal customers**



Statement of Work - Other Activities

In addition to the programmatic activities, the contractor shall also be responsible for the following related services:

- Property
- Facilities maintenance
- Grounds maintenance, housekeeping, and other services
- Procurements through subcontracts and other mechanisms in support of the activities of the Statement of Work

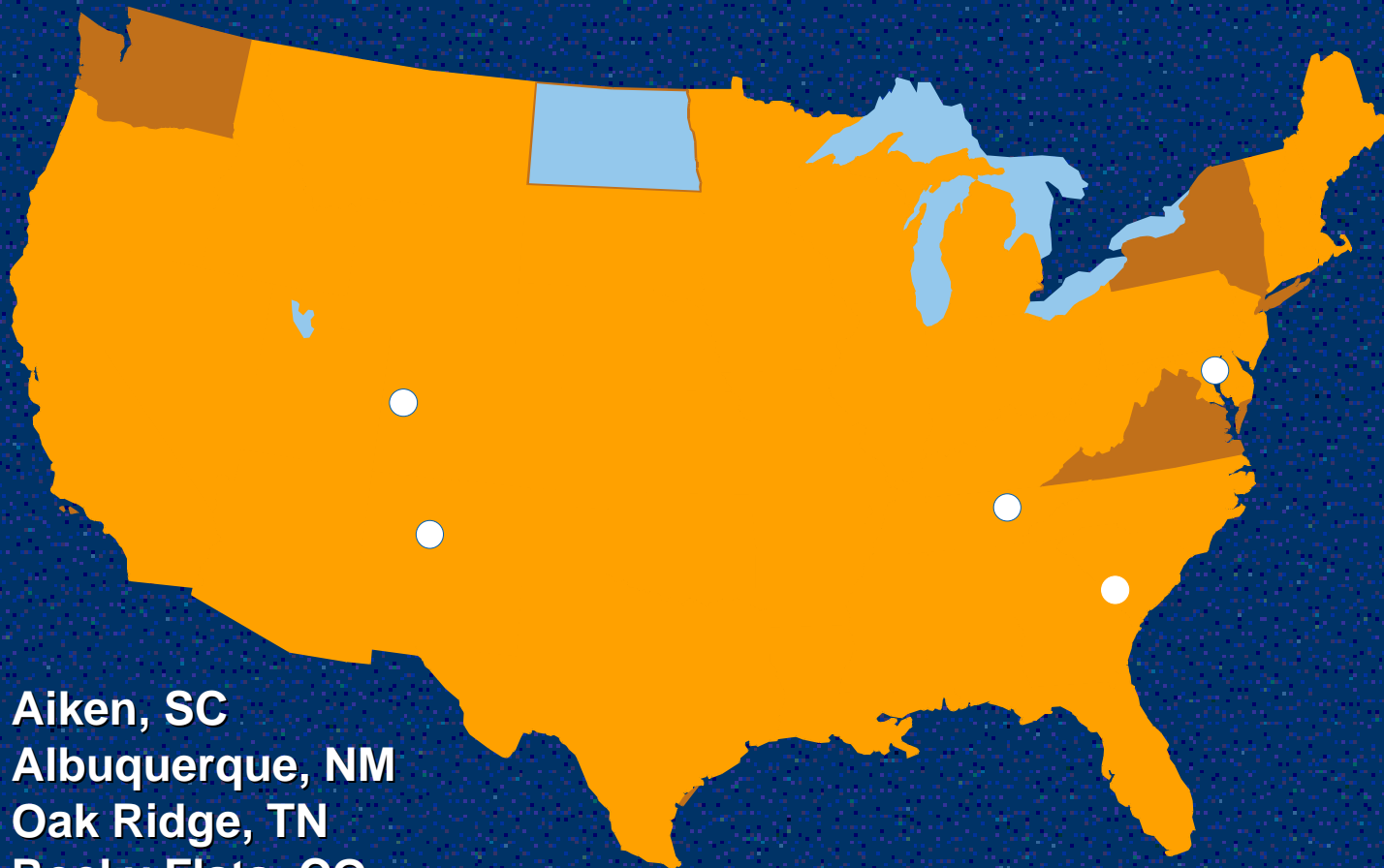


Statement of Work - Facilities

- Work will be performed in facilities principally located in Oak Ridge, Tennessee
- Other locations as dictated by program requirements



ORISE Locations



Aiken, SC
Albuquerque, NM
Oak Ridge, TN
Rocky Flats, CO
Washington, DC



ORISE Facilities

Site	Building	Owner	Status
Warehouse Rd.	1916T2 & Sheds	DOE	Occupied
Laboratory Rd.	2714F,G	DOE	Occupied
Laboratory Rd.	2715	DOE	Occupied
Laboratory Rd.	2715A	DOE	Occupied
S. Illinois Ave.	ATDD Main Building	DOE	Occupied
S. Illinois Ave.	ATDD Mobile Office	DOE	Occupied
S. Illinois Ave.	ATDD Wind Tunnel Bldg.	DOE	Occupied
S. Illinois Ave.	ATDD Storage Shed	DOE	Occupied
ORAU Main Campus	CAB	ORAU	Occupied
ORAU Main Campus	Energy Building	ORAU	Occupied
ORAU Main Campus	OAB	ORAU	Occupied
Vance Rd.	Vance Road Building	DOE	Occupied
Vance Rd.	REAC/TS	Leased	Occupied
OSOS	SC-1	DOE	Occupied
OSOS	SC-2	DOE	Surplus
OSOS	SC-10	DOE	Occupied
OSOS	SC-12	DOE	Surplus
OSOS	SC-13	DOE	Occupied
OSOS	SC-14	DOE	Standby
OSOS	SC-15	DOE	Occupied
OSOS	SC-16	DOE	Occupied
OSOS	SC-26	DOE	Occupied
OSOS	SC-3	DOE	Occupied
OSOS	SC-4	DOE	Occupied
OSOS	SC-5	DOE	Surplus
OSOS	SC-9	DOE	Occupied
Washington, DC		Leased	Occupied
Rocky Flats		Leased	Occupied

TOTAL Building Area (gsf): 346,884



Current Facility Portfolio

- DOE Buildings (22) 254,759 sq. ft.
- DOE Leased Facilities (3) 21,823 sq. ft.
- ORAU Corporate Buildings (3) 70,302 sq. ft.
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- TOTAL: 346,884 sq. ft.





is ORISE



DOE's Oak Ridge Institute for Science and Education

ORAU Corporate Facilities



Total of all ORAU buildings: 70,302 sq. ft.

ORAU Central Administrative Building

13,051 sq.ft.



- • *Houses senior ORISE management*

ORAU Energy Building

30,032 sq.ft.



- **Science Education and Research Fellowship Programs**
- - **Over 2,500 post-graduate, graduate, undergraduate, and faculty appointments annually at over 100 DOE and other federal research facilities**
- - **Collaborating with universities and laboratories on fellowships, scholarships, and research appointments**



ORAU Office Administration Building

27,219-sq.ft.



■ Center for Epidemiologic Research

- • *Research on health effects of radiation and beryllium*
- • *DOE Data Center (health records on 300,000 workers in a secure vault)*



Laboratory Road Complex



DOE building: 36,084 sq. ft.

- Professional Training Program - health physics/radiation protection
 - • 13,000 sq. ft. of specialized “laboratory classrooms”
- Radiation emergency management program development and training

Scarboro Operations Site



DOE buildings: 110,205 sq. ft.

- **Environmental Survey and Site Assessment Program**
 - DOE-wide Independent Verification Contractor for radiologically contaminated site cleanup
 - Radiochemistry laboratories
 - Radiation sample storage areas for Formerly Utilized Sites Remedial Action Program (FUSRAP)

Vance Road Complex



DOE building: 59,800 sq. ft.

- **Radiation Internal Dose Information Center (RIDIC)**
 - • *Whole Body Counter*
- **Beryllium Testing Laboratory for Center for Epidemiologic Research**
- **Also houses Center for Human Reliability Studies (DOE Center of Excellence)**



Radiation Emergency Assistance Center/ Training Site



DOE leased facility: 9,004 sq. ft.

- **Around-the-clock worldwide DOE radiation medical response capability**
 - • *World Health Organization and International Atomic Energy Agency resource*
 - • *Trains medical and emergency personnel in radiation accident response*



ORISE Warehouse

31,375 sq.ft.



- Houses ORISE offices, laboratories, classroom and storage space

Atmospheric Turbulence and Diffusion Division

17,295 sq.ft.



- Support to NOAA
- Office, laboratory
- Classrooms and storage space

National Security Programs

Washington, D.C. DOE leased facility: 7,819 sq. ft.

■ **National Security Operations**

- *DOE counter-terrorism analysis and training regarding radiological, biological, chemical weapons of mass destruction*
- *Coordinating facility for DOE's Joint Technical Operations Team (ORISE, LANL, SNL)*
- **In Washington, D.C. because of:**
 - *DOE response mobilization requirements*
 - *Integration with emergency planning activities of other federal response agencies*



CER Activities

Rocky Flats, Colorado

DOE Leased Facility: 5,000 sq. ft.

- **Medical screening and health surveillance**
- **Conduct of a Neutron Dose Reconstruction Project for the Rocky Flats Environmental Technology Site**

In Rocky Flats because:

- **Programs involve medical screening and health surveillance of former and current radiation and beryllium workers located at the DOE Rocky Flats site**

ORISE is seeking to lease commercially owned laboratory, clinical, and office space off site due to unavailability of adequate on-site space and planned shutdown of the facilities



Performance Expectations (H.21)

- **Expectations are established in response to the requirements of the Statement of Work**
- **Objectives in response to the expectations will be established/revised prior to each Award Fee Period**
- **Objectives will serve as one of the major means to assess Contractor's performance**



Performance Expectations (H.21)

- **Programs**

The contractor's core competencies shall be effectively utilized in a quality and timely manner in supporting the Department of Energy mission and achieving customer satisfaction.

- **Management/Leadership**

The contractor shall provide leadership that ensures excellence and efficiency in all aspects of the conduct of assigned programs through optimum use of personnel, facilities, and equipment.

- **Environment, Safety, and Health (ES&H)**

The contractor will implement an Integrated Safety Management System to systematically integrate ES&H into management and work practices at all levels so that missions are accomplished while protecting the worker, the public, and the environment.



Performance Expectations (H.21) Continued)

- **Communications**

The contractor shall be a good neighbor, and shall work with all customers, stakeholders, and all the community in an open, frank, and constructive manner to disseminate accurate information about DOE and ORISE activities and key messages.

- **Cooperative Initiatives**

The contractor shall promote collaborations and enhanced relationships between university, industry, and federal research capabilities.

